

## WHAT IS CLAIMED IS:

1. For use in a wireless network, a base station capable of controlling the use of the reduced slot cycle mode by a selected one of a plurality of mobile stations communicating with said base station, said base station comprising:

a message controller capable of transmitting a Page message to a first mobile station notifying said first mobile station that a data session between said base station and said first mobile station is being activated; and

a reduced slot cycle controller coupled to said message controller capable of receiving from said first mobile station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by said first mobile station, wherein said reduced slot cycle controller, in response to receipt of said Page Response message, causes said message controller to transmit to said first mobile station a Release Order message comprising a selected slot cycle index (SCI) value at which said first mobile station will operate.

2. The base station as set forth in Claim 1 wherein a slot cycle duration corresponding to said selected SCI value transmitted by said base station is different than a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

3. The base station as set forth in Claim 2 wherein said slot cycle duration corresponding to said selected SCI value transmitted by said base station is at least as great as a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

4. The base station as set forth in Claim 1 wherein said Page Response message further comprises a requested time period during which said first mobile station will operate using said reduced slot cycle index (SCI) value requested by said first mobile station, and wherein said Release Order message further comprises a selected time period during which said first mobile station will operate using said selected SCI value.

5. The base station as set forth in Claim 4 wherein said selected time period transmitted by said base station is different than said requested time period requested by said first mobile station.

6. The base station as set forth in Claim 5 wherein said selected time period transmitted by said base station is at least as great as said requested time period requested by said first mobile station.

7. A wireless network comprising a plurality of base stations, each of said base stations capable of controlling the use of the reduced slot cycle mode by a selected one of a plurality of mobile stations communicating with said wireless network, said each base station comprising:

a message controller capable of transmitting a Page message to a first mobile station notifying said first mobile station that a data session between said each base station and said first mobile station is being activated; and

a reduced slot cycle controller coupled to said message controller capable of receiving from said first mobile station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by said first mobile station, wherein said reduced slot cycle controller, in response to receipt of said Page Response message, causes said message controller to transmit to said first mobile station a Release Order message comprising a selected slot cycle index (SCI) value at which said first mobile station will operate.

8. The wireless network as set forth in Claim 7 wherein a slot cycle duration corresponding to said selected SCI value transmitted by said each base station is different than a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

9. The wireless network as set forth in Claim 8 wherein said slot cycle duration corresponding to said selected SCI value transmitted by said each base station is at least as great as a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said first mobile station.

10. The wireless network as set forth in Claim 7 wherein said Page Response message further comprises a requested time period during which said first mobile station will operate using said reduced slot cycle index (SCI) value requested by said first mobile station, and wherein said Release Order message further comprises a selected time period during which said first mobile station will operate using said selected SCI value.

11. The wireless network as set forth in Claim 10 wherein said selected time period transmitted by said each base station is different than said requested time period requested by said first mobile station.

12. The wireless network as set forth in Claim 11 wherein said selected time period transmitted by said each base station is at least as great as said requested time period requested by said first mobile station.

13. For use in a base station of a wireless network, a method of controlling the use of the reduced slot cycle mode by a selected one of a plurality of mobile stations communicating with the base station, the method comprising the steps of:

transmitting a Page message to a first mobile station notifying the first mobile station that a data session between the base station and the first mobile station is being activated;

receiving from the first mobile station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by the first mobile station; and

in response to receipt of the Page Response message, transmitting to the first mobile station a Release Order message comprising a selected slot cycle index (SCI) value at which the first mobile station will operate.

14. The method as set forth in Claim 13 wherein a slot cycle duration corresponding to the selected SCI value transmitted by the base station is different than a slot cycle duration corresponding to the minimum reduced slot cycle index (SCI) value requested by the first mobile station.

15. The method as set forth in Claim 14 wherein the slot cycle duration corresponding to the selected SCI value transmitted by the base station is at least as great as a slot cycle duration corresponding to the minimum reduced slot cycle index (SCI) value requested by the first mobile station.

16. The method as set forth in Claim 13 wherein the Page Response message further comprises a requested time period during which the first mobile station will operate using the reduced slot cycle index (SCI) value requested by the first mobile station, and wherein the Release Order message further comprises a selected time period during which the first mobile station will operate using the selected SCI value.

17. The method as set forth in Claim 16 wherein the selected time period transmitted by the base station is different than the requested time period requested by the first mobile station.

18. The method as set forth in Claim 17 wherein the selected time period transmitted by the base station is at least as great as the requested time period requested by the first mobile station.



19. For use in a wireless network comprising a plurality of base stations, a mobile station that can selectively use the reduced slot cycle mode under the control of a first of the plurality of base stations, said mobile station comprising:

a message controller capable of receiving a Page message from a first mobile station notifying said mobile station that a data session between said first base station and said mobile station is being activated; and

a reduced slot cycle controller coupled to said message controller capable of causing said message controller to transmit to said first base station a Page Response message comprising a minimum reduced slot cycle index (SCI) value requested by said mobile station, wherein said reduced slot cycle controller is further capable of receiving from said first base station a Release Order message comprising a selected slot cycle index (SCI) value at which said mobile station will operate.

20. The mobile station as set forth in Claim 19 wherein a slot cycle duration corresponding to said selected SCI value transmitted by said first base station is different than a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said mobile station.

21. The mobile station as set forth in Claim 20 wherein said slot cycle duration corresponding to said selected SCI value transmitted by said first base station is at least as great as a slot cycle duration corresponding to said minimum reduced slot cycle index (SCI) value requested by said mobile station.

22. The mobile station as set forth in Claim 19 wherein said Page Response message further comprises a requested time period during which said mobile station will operate using said reduced slot cycle index (SCI) value requested by said mobile station, and wherein said Release Order message further comprises a selected time period during which said mobile station will operate using said selected SCI value.

23. The mobile station as set forth in Claim 22 wherein said selected time period transmitted by said first base station is different than said requested time period requested by said mobile station.

24. The mobile station as set forth in Claim 23 wherein said selected time period transmitted by said first base station is at least as great as said requested time period requested by said mobile station.